IAPT3 Rec'd PCT/PTO 3 0 NOV 2006

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

056205.58073US

ATTORNEY'S DOCKET NUMBER

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 10/587,480 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/JP2005/004861 March 11, 2005 March 18, 2004 TITLE OF INVENTION **HEAT SINK BOARD AND MANUFACTURING METHOD THEREOF** APPLICANT(S) FOR DO/EO/US Kouji HARADA, et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 1. 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371, X 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) \bowtie and (21) indicated below. The US has been elected (Article 31). 4 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). a. has been communicated by the International Bureau. b. Is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). b. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. are attached hereto (required only if not communicated by the International Bureau). a. have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 9. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 10. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 14. 15. A substitute specification. 16. A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information: PCT/IB/338, PCT/IB/373 and PCT/ISA/237 (Six (6) pages). 20

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-1390 (Rev. 02-2005)

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.						ATTORNEY'S DOCKET NUMBER	
10/587,480 PCT/2005/004861 The following fees have been submitted					056205.58073US CALCULATIONS PTO USE ONLY		
21. Basic national fee (37 C.F.R. §1.492(a))\$300.00						\$	PIOUSE ONLY
22.							
If the written opinion prepared by ISA/US or the international preliminary							
examination report prepared by IPEA/US indicates all claims satisfy							
provisions of PCT Article 33(1)-(4)\$0.00							
All other situations \$200.00						\$	
23. Search fee (37 C.F.R. §1.492(b))							
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT							
Article 33(1)-(4)\$0							
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to							
the USPTO as an International Searching Authority\$100							
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$400							
All other situations\$500						\$	
TOTAL OF 21, 22 AND 23 =						\$	
Additional fe	ee for specification						
	sting or compute						
\$250 for each additional 50 sheets of paper or fraction thereof. The Chartes Number of each additional 50 or fraction							
Total Sheets	Extra Sheets		additional 50 or traction in additional properties.	n R	ATE		
- 100	/ 50 =	,		3	x 250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest							
claimed priority date (37 CFR 1.492(h)).						\$	
CLAIMS		BER FILED	NUMBER EXTRA	RATE			
Total claims - 20				x 50		\$	
Independent claims - 3				x 200		\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + 360						\$	
TOTAL OF ABOVE CALCULATIONS =						\$	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.							
SUBTOTAL =						\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i))+						\$	
TOTAL NATIONAL FEE =						\$	•
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be						<u> </u>	
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property+						\$	
TOTAL FEES ENCLOSED =						\$	
						Amount to be	
<u> </u>						refunded: Amount to be	\$
						charged:	\$
a. A check in the amount of \$ to cover the above fees is enclosed.							
b. Please charge my Deposit Account No. 05-1323 (Attorney Docket No. 056205.58073US) in the amount of \$\(\) to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit							
Account No. 05-1323 (Attorney Docket No. 056205.58073US). A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not							
be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed							
and granted to restore the International Application to pending status.							
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SEND ALL CORRESPONDENCE TO:							
Crowell & Moring, LLP						<u> </u>	
Intellectual Property Group							
P.O. Box 14300 <u>James F. McKeown</u> Washington, D.C. 20044-4300 MAME							
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Fax No. (202) 628-8844 REGISTRATION NUMBER November 30, 2006							
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